

Utah Skill Certification Student Performance Evaluation

Test # 143 – Plant and Soil Science and Technology, Advanced (CIP 020421)

(Print) Student's Name:	Date:
(Print) Teacher's Name:	School:
Teacher Signature:	District:

The performance evaluation **is a required component of the skill certification process**. Each student must be evaluated on the required performance objectives outlined below. Performance objectives may be completed and evaluated at anytime during the course. Students who achieve a 3 or 4 (moderately to highly skilled) on **ALL** performance objectives and 80% or higher on the written test will be issued an ATE skill certification certificate.

- Students should be aware of their progress throughout the course so that they can concentrate on the objectives that need improvement.
- Students should be encouraged to repeat the objectives until they have performed at a minimum of a 3 or 4 (moderately to highly skilled) on all performance objectives.
- When all performance objectives have been achieved at a minimum of a 3 or 4 (moderately to highly skilled) then "Y" (Y=Yes) is recorded for that student on the Performance Evaluation Summary Score Sheet.
- If the student scores a 1 or 2 (limited to no skill) on any performance objective then "N" (N=No) is recorded for that student on the Performance Evaluation Summary Score Sheet.
- All performance objectives **MUST** be completed and evaluated prior to the written test.
- The teacher will bubble in "A" on the test answer sheet for item #81 for students who have achieved "Y" on all of the student performance objectives.
- The teacher will bubble in "B" on the test answer sheet for item #81 for students who have one or more "N's" on the student performance objectives.
- The signed Student Performance Evaluation Sheet for each student must be kept in the teachers file for two years.

Performance Rating Scale

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|------------------------|--|
| 4 = Highly Skilled | Successfully demonstrated without supervision. |
| 3 = Moderately Skilled | Successfully demonstrated with limited skill. |
| 2 = Limited Skill | Demonstrated with close supervision. |
| 1 = Not Skilled | Demonstration requires direct instruction and supervision. |

Student Performance Objectives

Standard 01 – Students will develop an understanding of the role of FFA in Agricultural Education Programs.	1	2	3	4
<ul style="list-style-type: none"> • Develop short and long range leadership and personal development goals • Attend an FFA meeting 				

Standard 02 – Students will understand the benefits of a Supervised Agricultural Experience (SAE) Program. <ul style="list-style-type: none"> • Develop short and long-range SAE goals • In an approved record book, record all transactions and activities on a SAE 	1	2	3	4

Standard 03 – Students will demonstrate an understanding of range resources and management. <ul style="list-style-type: none"> • Evaluate range management systems, economics, and improvement techniques. • Establish a range transect and use it to evaluate a specific location. • Develop a plan for multiple use of rangeland for both wildlife and livestock. 	1	2	3	4

Standard 04 – Students will manage plant pests – weeds, diseases, and insects. <ul style="list-style-type: none"> • Identify plant pests, diseases and their causes. • Identify weeds. • Demonstrate scouting of field crops for insect pests. • Prepare plant and soil samples for analysis. • Develop an Integrated Pest Management Plan. 	1	2	3	4

Standard 05 – Students will integrate principles of biotechnology into plant science. <ul style="list-style-type: none"> • Design and conduct experiments to support known principles of genetics. • Demonstrate tissue culturing. • Research and debate ethical issues in modern biotechnology. 	1	2	3	4